

Title (en)

Display cleaner combined with operation pen for smartphones and similar devices

Title (de)

Mit Bedienungsstift kombinierter Display-Reiniger für Smartphones und ähnliche Geräte

Title (fr)

Nettoyeur d'écran combiné à un stylet de commande pour Smart phones et appareils analogues

Publication

**EP 1977674 A3 20081224 (DE)**

Application

**EP 08005406 A 20080322**

Priority

DE 202007005000 U 20070403

Abstract (en)

[origin: US2008244847A1] In a cleaning pad for a small apparatus such as a smart phone or a minicomputer including a touch screen for its operation, the cleaning pad comprises a carrier element of a rigid material provided with a pad of fleece or similar soft material for cleaning the touch screen and the carrier element is provided with an operating tip for touching the touch screen for operating the small apparatus.

IPC 8 full level

**A47L 25/00** (2006.01)

CPC (source: EP US)

**A47L 25/00** (2013.01 - EP US); **H04M 1/21** (2013.01 - EP US)

Citation (search report)

- [A] KR 20030082520 A 20031022 - CHOI DONG SEOK [KR]
- [A] DE 202005004366 U1 20050602 - GOTTWALD ROBERT [AT]
- [A] US 2005265771 A1 20051201 - LORD CHARLES [US], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**US 2008244847 A1 20081009**; AT E466520 T1 20100515; DE 202007005000 U1 20070802; DE 502008000604 D1 20100617; EP 1977674 A2 20081008; EP 1977674 A3 20081224; EP 1977674 B1 20100505

DOCDB simple family (application)

**US 8042308 A 20080402**; AT 08005406 T 20080322; DE 202007005000 U 20070403; DE 502008000604 T 20080322; EP 08005406 A 20080322